

Amendments to the Specification

Please delete paragraph [0036].

Please delete paragraph [0053].

Please replace paragraph [0057] with the following amended paragraph:

[0057] FIG. 9 is an exploded view of the toroidal IC engine 100. The outer engine ring 10A is shown as a split ring having two ring-split seams 10D. Exhaust-valve pistons 4 are fixedly mounted to the concave wall of the outer engine ring 10A. Two of the exhaust-valve pistons 4 are mounted on the outer engine ring 10B right at the junction of the ring-split seam 10D and are used to securely attach the two halves of the outer engine ring 10A around the inner engine ring 10B. Intake-valve pistons 2 are fixedly mounted to the concave surface of the inner engine ring 10B. As shown, the face diameter of the intake-valve and exhaust-valve pistons 2, 4, is such that the pistons 2, 4 extend into the inner or outer engine ring to which they are not fixedly attached. The piston ring seals 5 provide a gas-leakage seal between the particular piston 2,4 and the wall of the engine ring along which the piston 2,4 slides. The piston ring seals 5 extend only partially around the pistons 2,4, as best seen on the exhaust-valve pistons 4 that are placed at the ring-split seam 10D. The contour of the surface of the pistons 4 that is fixedly attached to the outer engine ring 10A corresponds to the contour of the inner surface of that outer engine ring 10A, that is, it is without piston ring seals 5. Piston ring seals 5 are shown extending around that portion of the pistons 4 that extends into and slides along the inner engine ring 10B. The piston ring seals 5 are provided analogously on the intake-valve pistons 2, that is, on the portion of the pistons that extends into and slides along the outer engine ring 10A. Also shown in the exploded view are the exhaust and intake manifolds 40, 20.